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CIPO Home

Patents Main Page

PATENTS
DATABASE

Search Options

Basic

Number

Boolean

Advanced

Help

Content

Searching

Search Language

FAQ

Disclaimer

Foreign Patent Links

Decisions of the
Commissioner of
Patents

Trade-marks
Database

Copyrights Database

Industrial Designs
Database



Canadian Patents Database

Search Results 07/25/2007 - 13:41:39

Search

Query :

(((actuator)) <in> title) <AND> ((

Query: (((actuator)) <in> title) <AND> (((charg* and discharg* and
current)) <in> abstract)

2 documents out of 1917885 matched your query. Click on its number
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1. [2269724](#) METHOD AND DEVICE FOR CONTROLLING A CAPACITATIVE ACTUATOR 77%
2. [2063382](#) APPARATUS FOR DRIVING A PIEZOELECTRIC ACTUATOR 77%

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Results of searching in PCT for:

actuator and charg* near current and discharg* near current: 9 records

Showing records 1 to 9 of 9 :

[\[Search Summary\]](#)[Refine Search](#)

actuator and charg* near current and discharg* near cu



- | Title | Pub. Date | Int. Class | App. Num | Applicant |
|---|------------|------------|-------------------|----------------------------------|
| 1. (WO 2007/056147) CONTROL AND AN INTEGRATED CIRCUIT FOR A MULTISENSORY APPARATUS | 18.05.2007 | F21V 33/00 | PCT/US2006/042971 | S. C. JOHNSON & SON, INC. |
| A control for a multisensory apparatus comprises means for detecting a number of lights connected to the control. The control further includes means responsive to the detecting means for operating the light(s) connected to the control in either of first and second different modes of operation in dependence upon the detected number of lights connected thereto. Still further, the control includes means for actuating an active material dispenser. | | | | |
| 2. (WO 2007/056119) ACTIVE MATERIAL AND LIGHT EMITTING DEVICE | 18.05.2007 | F21V 8/00 | PCT/US2006/042919 | S. C. JOHNSON & SON, INC. |
| An active material and light emitting device comprises an ultrasonic atomizer assembly (516) and a light emission device (576). The active material and light emitting device further includes a housing (510) containing the atomizer assembly and the light emission device such that the atomizer assembly is disposed above the light emission device. The light emission device emits light that is transmitted through a medial portion of the housing. | | | | |
| 3. (WO 2007/008598) SYSTEM AND METHOD FOR DRIVING AN INDUSTRIAL CONTROL DEVICE | 18.01.2007 | H01H 47/00 | PCT/US2006/026347 | ADVANCED ENERGY INDUSTRIES, INC. |
| A process control apparatus including an actuator configured to effect changes in an industrial process, a power supply, a plurality of current switches coupled between the actuator and the power supply and a controller coupled to the plurality of current switches. The controller is configured to selectively close one or more of the plurality of current switches so as to provide a selectable level of current from the power supply to the actuator . In variations, a plurality of discharge switches are coupled to the actuator and the controller is configured to selectively close the discharge switches so as to provide a selectable level of charge to discharge from the actuator . | | | | |
| 4. (WO 2006/065957) HYBRID-ELECTRIC ENGINE AND COMPONENTS THEREOF | 22.06.2006 | B60K 6/04 | PCT/US2005/045353 | TOPE-MCKAY, Cary |
| Disclosed is a hybrid-electric engine comprising: a mechanical load; a chemical-based motor drivingly connected with the mechanical load for selectively providing mechanical power thereto; an electrical motor drivingly connected with the mechanical load for selectively providing mechanical power thereto; and a data processing system connected with the chemical-based motor and the electrical motor for monitoring the operation of the chemical-based motor and the electrical motor, and for ensuring that when the chemical-based motor is operated, it is operated at approximately its peak efficiency with any excess power being stored in an energy storage system for later use by the electrical motor, and when possible, the electrical motor operates... | | | | |
| 5. (WO 2006/053126) REACTIVE LOAD RESONANT DRIVE CIRCUIT | 18.05.2006 | H02N 2/14 | PCT/US2005/040740 | ADVANCED ENERGY INDUSTRIES, INC. |
| Energy efficient circuitry is provided for rapid transfer of charge to and from a reactive load while avoiding excessive peak currents and significant resistive energy dissipation. For example, circuitry of the invention provides for rapid actuation of a piezoelectric mass flow valve actuator while significantly reducing electrical input power and power dissipation requirements. The invention also features circuitry for recovering a substantial portion of the energy delivered to the reactive load while still permitting rapid cycling of the load drive circuit. Controlling the activation interval of the drive circuitry provides for incremental actuation or positioning of the reactive load. | | | | |

RESULT LIST

Approximately **173** results found in the Worldwide database for:
actuator in the title AND **charg*** and **current** in the title or abstract
 (Results are sorted by date of upload in database)

- 1 DRIVING CONTROLLER OF PIEZOELECTRIC ACTUATOR, AND METHOD FOR DRIVING/CONTROLLING ELECTRONIC DEVICE AND PIEZOELECTRIC ACTUATOR**
 Inventor: SHIOBARA YASUHIRO Applicant: SEIKO EPSON CORP
 EC: IPC: **H02N2/00; G04C3/12; H02N2/00** (+1)
 Publication info: **JP2007049773** - 2007-02-22
- 2 Electromagnetic lock actuator and mechanism**
 Inventor: RATCLIFFE ANTHONY BROTHERTON (GB) Applicant: PAXTON ACCESS LTD (GB)
 EC: IPC: **E05B47/00; H01F7/06; E05B47/00** (+1)
 Publication info: **GB2429032** - 2007-02-14
- 3 Capacitive load's e.g. piezo-actuator, charge changing circuit, has parallel switched delayed operable clocked output stages, which exchange charge packets with piezo-actuator and operated in delayed manner**
 Inventor: ERTL MICHAEL (DE); GOTTLIEB BERNHARD Applicant: SIEMENS AG (DE)
 (DE); (+3)
 EC: H01L41/04B IPC: **H02N2/06; H02N2/02**
 Publication info: **DE102005034163** - 2007-02-01
- 4 Piezo actuator driving circuit**
 Inventor: MIN BYOUNG O (KR); HA CHANG W (KR) Applicant:
 EC: IPC: **B41J29/38; B41J29/38**
 Publication info: **US2007008357** - 2007-01-11
- 5 Actuator and emergency power supply**
 Inventor: KUNKEL STEFFEN (DE); HERRMANN KARL- Applicant: BOSCH REXROTH AG (DE)
 GUENTER (DE); (+2)
 EC: H02J7/00C4; H02J9/06C IPC: **H02J7/32; H02J7/32**
 Publication info: **EP1739807** - 2007-01-03
- 6 CMOS (complementary metal oxide semiconductor) circuit arrangement has operating circuit region with decoder to address at least one of sensor and actuator elements, and evaluation and driver circuits for sensor and actuator elements**
 Inventor: PAULUS CHRISTIAN (DE); THEWES ROLAND Applicant: SIEMENS AG (DE)
 (DE)
 EC: IPC: **G01N27/49; G01N27/49**
 Publication info: **DE102005027245** - 2006-12-21
- 7 ACTUATOR MOTOR CONTROL DEVICE AND CONTROL METHOD IN LOCKING INTERNAL/EXTERNAL AIR VALVE OF AIR-CONDITIONING MODULE OF AUTOMATIC TEMPERATURE CONTROLLER FOR VEHICLE**
 Inventor: KIM SUN GU Applicant: KOREA DELPHI AUTOMOTIVE SYSTEM
 EC: IPC: **B60H1/00; B60H1/00; (IPC1-7): B60H1/00**
 Publication info: **KR100392354B** - 2003-07-09
- 8 Actuator**
 Inventor: NAGAI SHIGEKAZU (JP); SAITOH AKIO (JP); Applicant: SMC KK (JP)
 (+2)
 EC: F15B15/18; F04B1/12F; (+2) IPC: **F16D31/02; F16D31/02**
 Publication info: **US2006207247** - 2006-09-21
- 9 ACTUATOR DRIVE CIRCUIT**

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IPC --- e.g. D01B7/04 A01C11/02

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[Index Indication](#)[Clear](#)[Text Search](#)

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	Type	Hits	Search Text	DBs
1	IS&R	429	(310/318).CCLS.	USPAT
2	BRS	70	piezoelectric adj1 transformer and (first or high) adj2 voltage adj2 output and (second or low or other or another) adj2 voltage adj2 output	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
3	IS&R	58	(310/318).CCLS.	FPRS; EPO; JPO; DERWENT; IBM TDB
4	IS&R	41	(310/318).CCLS.	US-PGPUB
5	BRS	49	first adj1 piezoelectric adj1 transformer and second adj1 piezoelectric adj1 transformer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
6	BRS	256	piezoelectric adj2 "power supply"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
7	BRS	490	piezoelectric adj1 transformer and (first or high) adj2 (output or voltage) and (second or low) adj2 (output or voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
8	BRS	3	piezoelectric adj2 "power supply" and (first or high) adj2 output and (second or low) adj2 output	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
9	BRS	17	piezoelectric adj2 "power supply" and (first or high) adj2 voltage and (second or low) adj2 voltage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
10	BRS	29	piezoelectric adj1 transformer and (first or high) adj2 output adj1 voltage and (second or low) adj2 output adj1 voltage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
11	BRS	241	emi adj3 "power supply"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
12	IS&R	1	("6182340").PN.	USPAT

13	BRS	10	emi adj3 "power supply" and commutation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
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	Type	Hits	Search Text	DBs
14	BRS	0	emi adj3 "power supply" same commutation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
15	BRS	59	"piezoelectric transformer" and "power factor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
16	IS&R	1	("7019993").PN.	USPAT
17	IS&R	1	("7095158").PN.	USPAT
18	BRS	0	emi adj3 "power supply" same commutator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
19	BRS	2	actuator same charg\$3 adj2 stage same discharg\$3 adj2 stage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
20	IS&R	0	(310/316.03).CCLS.	FPRS; EPO; JPO; DERWENT; IBM TDB
21	IS&R	23	(310/316.03).CCLS.	US-PGPUB
22	BRS	237	actuator same charg\$3 adj2 current same discharg\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
23	IS&R	87	(310/316.03).CCLS.	USPAT
24	IS&R	1	("5130598").PN.	USPAT
25	BRS	376	current adj2 control same charg\$3 and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
26	BRS	84	charg\$3 same discharg\$3 same current adj2 profile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB
27	IS&R	1	("6031707").PN.	USPAT

	Time Stamp	Comments	Error Definition	Errors	Ref #
1	2007/07/24 09:03				S1
2	2007/07/24 09:14				S4
3	2007/07/24 09:07				S3
4	2007/07/24 09:05				S2
5	2007/07/24 09:26				S5
6	2007/07/24 09:41				S6
7	2007/07/24 09:50				S9
8	2007/07/24 09:43				S7
9	2007/07/24 09:49				S8
10	2007/07/24 09:50				S10
11	2007/07/24 15:10				S14
12	2007/07/24 14:17				S12

	Time Stamp	Comments	Error Definition	Errors	Ref #
14	2007/07/24 15:11				S15
15	2007/07/24 15:14				S18
16	2007/07/24 14:12				S11
17	2007/07/24 15:09				S13
18	2007/07/24 15:12				S16
19	2007/07/25 10:35				S22
20	2007/07/25 10:32				S21
21	2007/07/25 10:32				S20
22	2007/07/25 10:43				S23
23	2007/07/25 10:30				S19
24	2007/07/25 10:53				S25
25	2007/07/25 11:05				S27
26	2007/07/25 11:05				S26
27	2007/07/25 10:50				S24